| PTO-1449  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE |              |   | ATTY. DOCKET NO.<br>T9574.NP | serial no.<br>10/075,936          | 10                      |                     | <br><sub>D</sub>                                 |          |  |
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|   |              |   | out in                       | Croft III et al                   |                         | S                   | 00729  | M        |  |
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| V   | AA           | 1,799,053   | 3/31/31                      | Mache                             |                         |                     |  |          |  |
|   | AB           | 1,951,669   | 3/20/34                      | Ramsey                            |                         |                     |  |          |  |
|   | AC           | 2,461,344   | 2/8/49                       | Olson                             |                         |                     |  |          |  |
|   | AD           | 2,855,467   | 10/7/58                      | Curry                             |                         |                     |  |          |  |
|   | AE           | 2,935,575   | 5/3/60                       | Bobb                              |                         | LEN.                |  |          |  |
|   | AF           | 2,975,243   | 3/14/61                      | Katella                           | RECE SEP 0              | NED                 |  |          |  |
|   | AG           | 3,008,013   | 11/7/61                      | Williamson et al                  | HL                      | 2002                |  |          |  |
|   | AH           | 3,012,222   | 12/5/61                      | Hagemann                          | SEP 0                   | 0 200               | `  |          |  |
|   | AI           | 3,013,905   | 12/19/61                     | Gamzon R.R. et al                 |                         | Center 260          |  |          |  |
|   | AJ           | 3,136,867   | 6/9/64                       | Brettell                          | Technolog               | ,                   |  |          |  |
|   | AK           | 3,209,084   | 9/28/65                      | Gamzon, R.R. et al                |                         |                     |  |          |  |
|   | AL           | 3,345,469   | 10/3/67                      | Rod                               |                         |                     |  |          |  |
|   | AM           | 3,373,251   | 3/12/68                      | Seeler, C.E.                      |                         |                     |  |          |  |
|   | AN           | 3,389,226   | 6/18/68                      | Peabody                           |                         |                     |  |          |  |
|   | AO           | 3,398,810   | 8/27/68                      | Clark III                         |                         |                     |  |          |  |
|   | AP           | 3,674,946   | 7/4/72                       | Winey                             |                         |                     |  |          |  |
|   | AQ           | 3,787,642   | 1/22/74                      | Young Jr.                         |                         |                     |  |          |  |
| Lett)   | AR           | 3,833,771   | 9/3/74                       | Collinson                         |                         |                     |  |          |  |
|   |              | 3,033,771   |                              | <u> </u>                          | <b></b>                 |                     |  |          |  |
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| 1700  | AT           | WO 01/08449   | <del></del>                  | Japan                             |                         |                     |  |          |  |
| 906   | AU           | WO 01/08449<br>WO 01/52437  | 2/1/01<br>7/19/01            | EP                                |                         |                     |  |          |  |
| 15x   | AV           | W O 01/32437  | //19/01                      | PCT                               |                         |                     |  |          |  |
|   | AW           |   | <del></del>                  |                                   |                         |                     |  |          |  |
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| 99  | AX           | ULTRASONIC  | RANGING                      | SYSTEM by Polaroid Corpo          | oration                 |                     |  |          |  |
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| /   |              | MODULATIO   | N OF CARRI                   | ER ULTRASOUND, Aoki,              | Kenichi, Kamakur        | a, Tomoo and        | l Kumamot  | ю,       |  |
| H 1   | AZ           | Yoshiro, Electronics and Communications in Japan, Part 3, Vol. 74, No. 9, pp. 76-82 (1991)  PARAMETRIC ACOUSTIC NONDIRECTIONAL RADIATOR, Makarov, et al, Acustica, Vol. 77, pp. |                              |                                   |                         |                     |  |          |  |
| ¥   | ML           | 240-242-(1992)  |                              | NONDIKECTIONAL RAL                |                         |                     | •  | , pp.    |  |
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| 98L                        | BA                        | 3,836,951                                  | 9/17/74          | Geren et al  |                          |  |                               |
|                            | BB                        | 3,892,927                                  | 7/1/75           | Lindenberg   |                          |  |                               |
|                            | BC                        | 3,919,499                                  | 11/11/75         | Winey  |                          |  |                               |
|                            | BD                        | 3,941,946                                  | 3/2/76           | Kawakami et al   |                          |  | -                             |
|                            | BE                        | 4,056,742                                  | 11/1/77          | Tibbetts   |                          |  |                               |
|                            | BF                        | 4,064,375                                  | 12/20/77         | Russell et al  |                          |  |                               |
|                            | BG                        | 4,160,882                                  | 7/10/79          | Driver   |                          | <del>- 7</del>                                   | - 20                          |
|                            | BH                        | + · · · · +                                | 7/1/80           | <del> </del>   |                          | <del>                                     </del> | RECEIVED                      |
|                            | BI                        | 4,210,786                                  |                  | Winey  |                          | <del>                                     </del> | 2 2                           |
|                            |                           | 4,207,571                                  | 6/10/80          | Passey   |                          |  | 3 3 2                         |
|                            | BJ                        | 4,210,786                                  | 7/1/80           | Winey  |                          |  | 产贸日                           |
|                            | BK                        | 4,245,136                                  | 1/13/81          | Krauel, Jr.  |                          |  | 子夏 口                          |
|                            | BL                        | 4,284,921                                  | 8/18/81          | Lemonon et al  |                          |  | ROOM                          |
|                            | BM                        | 4,295,214                                  | 10/13/81         | Thompson   |                          |  | 3                             |
|                            | BN                        | 4,378,596                                  | 3/29/83          | Clark  |                          |  |                               |
|                            | ВО                        | 4,385,210                                  | 5/24/83          | Marquiss   |                          |  |                               |
|                            | BP                        | 4,418,404                                  | 11/29/83         | Gordon et al   |                          | · .  |                               |
| VAL                        | BQ                        | 4,419,545                                  | 12/6/83          | Kuindersma   |                          |  |                               |
|                            | BR                        |  |                  |  |                          |  |                               |
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| (A)                        | BX                        | WAVES TO                                   | A NEW TYPE       | AN APPLICATION OF I<br>OF LOUDSPEAKER DE<br>ages 1532-1536 |                          |  |                               |
| WAL                        | BY                        | ELECTROST                                  | ATIC LOUDS       | PEAKER DESIGN AND ateur Press Publishers, 199              |                          | , Chapters 4 ar                                  | nd 5, pages 59-91,            |
|                            | BZ                        |  | ·                |  |                          |  |                               |
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| DA   4,939,784   7/3/90   Bruney   | EXAMINER     |              |                     |                            |                                  |                                       |                    |                |              |  |
| DB   4,991,148   2/5/91   Gilchrist   DC   5,054,081   10/1/91   West   DD   5,142,511   8/25/92   Kanai et al   DE   5,153,859   10/6/92   Chatigny et al   DF   5,287,331   2/15/94   Shindel et al   DG   5,297,214   3/22/94   Bruney   RECEIVED   | IMITIALS     | DA           |                     |                            |                                  | CLASS                                 | SUBCLASS           | IF APPRO       | PRIATE       |  |
| DC   5,054,081   10/1/91   West  | 197          |              |                     |                            |                                  |                                       |                    |                |              |  |
| DD   5,142,511   8/25/92   Kanai et al   |              |              |                     |                            |                                  |                                       |                    |                | <del></del>  |  |
| DE   5,153,859   10/6/92   Chatigny et al  |              |              |                     |                            | <del></del>                      | ··· · · · · · · · · · · · · · · · · · |                    |                |              |  |
| DF   5,287,331   2/15/94   Shindel et al   |              | DE           |                     |                            |                                  |                                       |                    |                |              |  |
| DG   5,297,214   3/22/94   Bruney   RECEIVE  |              | DF           |                     | <del></del>                |                                  |                                       |                    |                |              |  |
| DH   5,357,578   10/18/94   Taniishi   Tan |              | DG           |                     |                            |                                  | ח                                     | 0511/5             |                |              |  |
| DI   5,392,358   2/21/95   Driver   SEP 0 6 2002   |              | DH           |                     |                            |                                  | - H                                   | EUEIVE             | <del>)</del> — |              |  |
| DJ   5,487,114   1/23/96   Dinh   Technology Center 2600     DK   5,638,456   6/10/97   Conley et al   DL   5,700,359   12/23/97   Bauer   DM   5,850,461   12/15/98   Zelinka     DN   5,901,235   5/4/99   Thigpen et al   DO   5,961,762   10/5/99   Zelinka et al     DP   6,154,557   11/28/00   Montour et al     DQ   DR   DOCUMENT   DATE   COUNTRY   CLASS   SUBCLASS   YES   NO     DS   DT   DU   DV   DW   DW   DW     DV   DW   DW   DW   DW   DW   DW     DX   DY   DW   DW   DW   DW   DW     DX   DX   DX   DX   DX   DX   DX  |              | DI           |                     |                            |                                  | St                                    | P 0 6 200          | 2              |              |  |
| DK   5,638,456   6/10/97   Conley et al  |              | DJ           |                     |                            |                                  |                                       |                    |                |              |  |
| DL   5,700,359   12/23/97   Bauer  |              | DK           | <del></del>         |                            |                                  | Techno                                | logy Center        | 3600           |              |  |
| DM 5,850,461 12/15/98 Zelinka  DN 5,901,235 5/4/99 Thigpen et al  DO 5,961,762 10/5/99 Zelinka et al  DP 6,154,557 11/28/00 Montour et al  DQ  DR  FOREIGN PATENT DOCUMENT  DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS YES NO  DS  DT  DU  DV  DW  OTHER PRIOR ART (Including Author, Title, Pertinent Pages, Etc.)  DX  DX  DX  DX  DATE CONSIDERED  *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance And   |              | DL           | <del></del>         |                            |                                  |                                       |                    |                |              |  |
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| Coll.                | Al  | 4,527,017          | 2 July 1985 | Kopinga et al. |       |          |                            |
|                      | A2  |                    |             |                |       |          |                            |
|                      | А3  |                    |             |                | _     |          |                            |
|                      | A4  |                    |             |                |       | ÷        |                            |
|                      | A5  |                    |             |                |       | ٠        |                            |
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|                      | Α7  |                    |             |                |       |          | 14 15                      |
|                      | A8  |                    |             |                |       | - "      | ,CO.                       |
|                      | A9  |                    |             |                |       |          |                            |
|                      | A10 |                    |             |                |       |          |                            |
|                      | A11 |                    |             |                |       |          |                            |
|                      | A12 |                    |             |                |       |          |                            |

## FOREIGN PATENT DOCUMENTS

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|                      | A13 |                    |      |         |       |          |                       |
|                      | A14 |                    |      |         |       |          |                       |
|                      | A15 |                    |      |         |       |          |                       |
|                      | A16 |                    |      |         |       |          |                       |
|                      | A17 |                    |      |         | -     |          |                       |

OTHER PRIOR ART (Including Author, Title, Pertinent Pages, Etc.)

Al8 MMPA. Standard Specifications for Permanent Magnet Materials. MMPA Standard No. 0100-00. 1964

Al9

A20

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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication with applicant.

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| U.S. DEPARTMENT OF COMMERCE |
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ATTY. DOCKET NO. T9574.NP

SERIAL NO. 10/075,936

LIST OF PRIOR ART CITED BY APPLICANT

2<sup>ND</sup> SUPPLEMENTAL **PRIOR ART** 

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|                      | ·AA | 3,873,784          | Mar. 25, 1975 |                         |                      |             |                            |
| 101                  | AB  |                    | <u> </u>      |                         |                      |             |                            |
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\*EXAMINER: Initial if reference considered, whether of not citation is in conformance with MPEP 609; Draw line through citation if not in conformance And not considered. Include copy of this form with next communication to Applicant.

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|                        |          |   |                | 1-25-02                   | 2838                     |              | RECEIVED 2007                          |
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| 136                    | AA       | 3,829,623                               | Aug. 13, 1974  | Willis et al.             | CLASS                    | SOBCLASS     | II ATTROFICIATE                        |
| 36                     | AA       | 4,338,489                               | Jul. 6, 1982   | Gorike                    |                          |              |  |
| 36                     | AC       | 4,468,530                               | Aug. 28, 1984  | Torgeson                  |                          |              | ·                                      |
| 12/4                   | AD       | 4,803,733                               | Feb. 7, 1989   | Carver et al.             |                          |              |  |
| 26.                    | AE       | 5,003,609                               | Mar. 26, 1991  | Muraoka                   |                          |              |  |
| 3h                     | AF       | 5,003,610                               | Mar. 26, 1991  | Adachi, et al.            |                          |              |  |
| 34                     | AG       | 5,430,805                               | Jul. 4, 1995   | Stevenson et al           |                          |              |  |
| 36                     | AH       | 5,953,438                               | Sep. 14, 1999  | Stevenson et al.          |                          | <del> </del> |  |
| 70                     | AI       | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | 55p. 1 ., 1555 |                           |                          |              |  |
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